



EAST AFRICAN  
CRUDE OIL  
PIPELINE



NATIONAL & LOCAL CONTENT

# NEWSLETTER

ISSUE No. 08

## MESSAGE FROM THE EACOP DEPUTY PROJECT AND TECHNICAL DIRECTOR



**CHRISTOPHE VUATTIER**  
Deputy Project and  
Technical Director

Dear Stakeholders,

The EACOP's National & Local Content Vision initiative launched internship programs in 2023 to enhance employability for young graduates by providing industry experience. With this initiative, EACOP is aiming, with the support of its level 1 contractors and vendors, to provide numerous internship opportunities at completion of the EACOP project.

Internship programs are covering many different trades and are being offered to graduate trainees pursuant to collaborative exchanges with universities in Uganda and in Tanzania and interviews of the candidates.

As previously shared with us by Neema KWEKA (National & Local Content Newsletter Issue No.7), the proposed internships provide firsthand field experience to graduate students either already employed or seeking jobs. Overall, the initiative has already significantly contributed to the professional development of the interns, preparing them for successful careers in their respective fields.

As of the end of Q2, 26 trainees have benefited from EACOP internship programs with more to come. Selected trainees have relocated to many different countries such as Egypt, South Africa, China, Italy, France, Turkey, UAE, India but also trained in Uganda and in Tanzania for periods of time ranging from 5 days up to 3 months.

Through EACOP's internship programs the trainees have gained experiences and knowledge, including practical skills in oil and gas, electrical engineering, manufacturing, safety protocols, and quality control. Interns have worked with different EACOP's contractors and vendors, gaining hands-on experience in areas such as pipeline maintenance, power systems, fibre optics, and industrial processes.

I invite you to discover on the following pages how EACOP's internship programs have changed the lives of the selected trainees, what they have learned and how they have used the new knowledge acquired. The best way of doing so is to listen (or actually read) to what EACOP's trainees (Rayyan, Prisca, Nickson, Esther, Osbert, Magreth, Glory, Atila, Briana, Peter, Mozes, Cate, Catherine, Wahida, Jordan, Tracy, Constance, Rashidi, Salome, Swedi, Magreth, Sweetbert, Joyce, Hamis, Rebecca, Peter) are saying of the programs they completed.

Also, it is first such a pleasure and rewarding experience for EACOP to know and see how EACOP planned commitment can have meaningful positive impact on the lives of many by providing support to enter professional life or provide further basis to strive into it.

These successes would not have been possible without the commitment of EACOP National & Local Content team in Tanzania and Uganda, EACOP level 1 contractors and vendors and the trainees themselves. They all deserve to be commended for their achievements and sometimes, necessary patience to obtain the visa for trainees' assignment abroad. But now let's discover what EACOP's trainees have to say.

**"Let's stay Globally connected, and locally Invested!"**

**Christophe VUATTIER – EACOP Deputy Project and Technical Director**



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In-line with the Local Content Vision, Internship Programs were launched in quarter four of 2023. Since then, the project's focus for these initiatives has been to create an employability environment for our young graduates by providing them with industry experience. As we dive deeper into 2024, roughly 26 trainees have accomplished their internship program in different countries. Owing to this exposure, the majority are already employed within and out of the EACOP project. The eventual goal of these programs is to support the Governments' (Uganda and Tanzania) mission of fostering employment for youth.

Given the value of these initiatives, this newsletter issue is dedicated to showcasing the experiences and knowledge achieved by different graduate trainees who had the opportunity of attending the practical training sessions with different contractors and vendors of the project. Below are profiles and testimonials of the first batch of EACOP graduate trainees. Prepared By: Maryam Mandia

Name: **Rayyan Ismail Kimuli**

Institution: Makerere University in Uganda

Degree: Mechanical Engineering

Package: Avanti Energy Services Limited – Supplier of pig trap items.

Country: China

Testimonial: "I gained practical experience in the oil and gas industry, developed skills in Non-Destructive Testing (NDT) and worked alongside experienced professionals allowing me to gain valuable insights into the industry. This experience provided a foundational understanding of the energy sector, which will be crucial for a career in energy planning". – Rayyan Ismail Kimuli



Name: **Prisca Leonard Kasiaka**

Institution: University of Dar es Salaam in Tanzania

Degree: Petroleum Engineering

Package: Avanti Energy Services Limited – Supplier of pig trap items.

Country: China

Testimonial: "I gained valuable experience in pipeline maintenance, specifically pigging operations and quality control, including the inspection of welded parts. Additionally, I was involved in the manufacturing processes of pig traps, which provided me with a comprehensive understanding of their design and function in pipeline operations." – Prisca Leonard Kasiaka



Name: **Nickson Onesmo Mwasha**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Electrical Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "During my internship with Mantrac Egypt, I underwent specialized training in emergency diesel generators. This included hands-on experience with troubleshooting, maintenance procedures, and operational management of diesel-powered systems. The training at Mantrac Egypt has significantly enhanced my technical skills and practical knowledge in emergency power systems." - Nickson Onesmo Mwasha



Name: **Osbert Taremwa**

Institution: Kyambogo University in Uganda

Degree: Electrical Engineering

Package: Panyu Chu Kong (PCK) Steel Pipes Company Limited, a supplier responsible for the line pipe scope to the EACOP project.

Country: China

Testimonial: "Through this opportunity, "I have gained:

- Practical experience in various pipe manufacturing processes including pipe forming, welding, and quality control techniques.
- Learned the crucial aspects of quality control including inspection, testing, and certification procedures.
- Understood and practiced safety protocols including personal protective wear and knowledge of emergency response strategies.
- Gained knowledge of various steel pipe standards and grades including their properties, applications, and limitations." – Osbert Taremwa



Name: **Esther Patricia Nyabel**

Institution: Makerere University in Uganda

Degree: Mechanical and Manufacturing Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "During my training at Mantrac, Egypt, I had the invaluable opportunity to immerse myself in aspects of how the engine works as well as its related systems, how to troubleshoot certain systems which proves to be crucial in the vast field of electrical engineering. So far, the training has provided me with hands-on experience and practical skills that are directly applicable to my desired career path." – Esther Patricia Nyabel



Name: **Magreth Lawrent Juac**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Electrical Engineering

Package: Avanti Energy Services Limited – Supplier of pig trap items.

Country: China

Testimonial: "During my training at XLPE under Avanti Energy Services LTD, I gained insight on pig tracking system and gained practical experience in different welding techniques. I was also taken through the stages involved in pig traps manufacturing from the designing stages to packaging and transportation which exposed me to different designing software and material testing techniques which I had only learned in theories." – Magreth Lawrent Juac



Name: **Glory Eusebius Munishi**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Electrical Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "During my training at Mantrac, I received extensive instruction in safety protocols, ensuring a thorough understanding of workplace safety standards and procedures. I deepened my knowledge of engine fundamentals, focusing on the mechanics and operation of various engine types. My training in basic electricity covered essential electrical principles, wiring, and circuit analysis. Additionally, I gained hands-on experience in electrical power generation, learning to operate and maintain generators and power systems effectively. This training has significantly equipped me with essential skills in safety, engine fundamentals, basic electricity, and electrical power generation." - Glory Eusebius Munishi



Name: **Kharobo Atila Joselyn Birah**

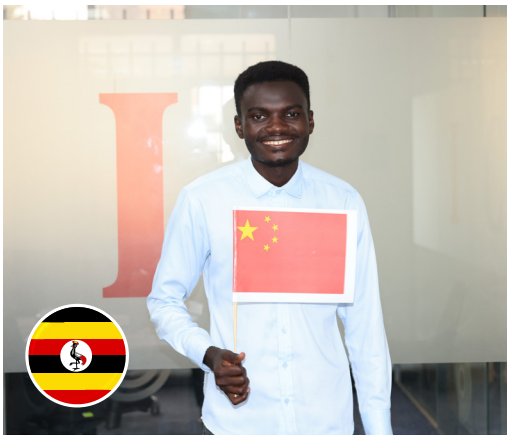
Institution: Makerere University in Uganda

Degree: Civil Engineering

Package: Worley, one of EACOP's main contractors

Country: Tanzania and Uganda

Testimonial: "Through working with the field engineering team at the Dar es Salaam office, I gained practical experience in the engineering and construction aspects of the project. I also learned from the experts across multiple departments on the project, including construction, H3SE (health, safety, social, security and environment), field engineering, quality document control, and project control departments. Through this, I learnt how to work more effectively in multidisciplinary teams. I also visited the Marine Tanks and Terminal (MTT) and the Jetty where I learnt about the design and construction processes for the crude oil storage tanks and the crude oil load out facility. Through my training on the EACOP project, I have gained invaluable skills and experiences." - Kharobo Atila Joselyn Birah



Name: **Brian Afedra Yiiki**  
 Institution: Makerere University in Uganda  
 Degree: Electrical Engineering  
 Package: Zhongtian Technology Submarine Cable Co. Ltd, a supplier of high voltage cables (HV Cables)  
 Country: China  
 Testimonial: "I gained theoretical and practical sessions covering areas of overview of power systems, power cables and their accessories (structure, materials, inspection, testing and installation), maintenance of power cable systems, overhead line hardware fittings, bare conductors and insulators for transmission and distribution, quality control and site SHE." - Brian Afedra Yiiki

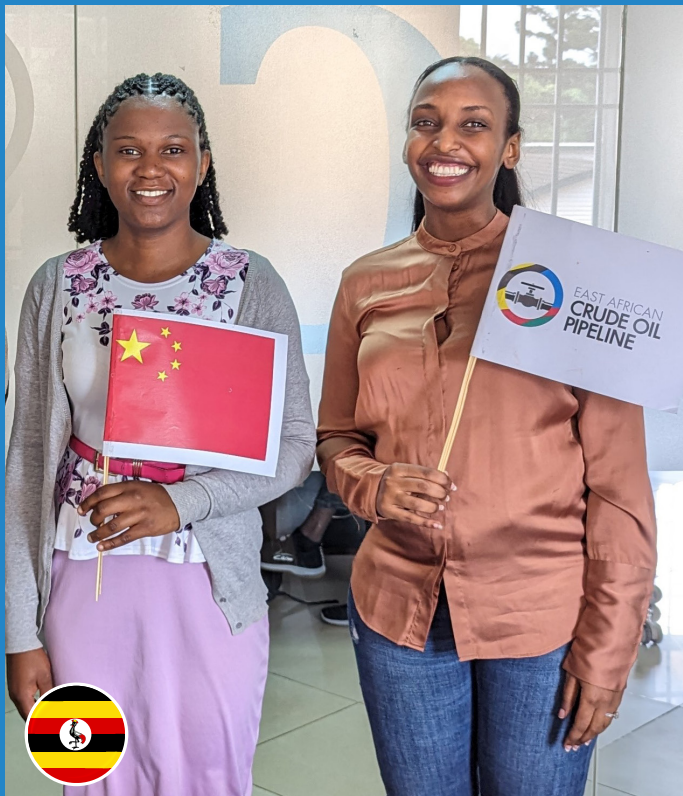


Name: **Peter Osmond Nombo**  
 Institution: Dar es Salaam Institute of Technology in Tanzania  
 Degree: Mechanical Engineering  
 Package: (HIMA) Hima Paul Hildebrandt GmbH, a supplier of High Integrity Pressure Protective Systems.  
 Country: United Arab Emirates (UAE)  
 Testimonial: "I have gained experience on HIPPS Systems, Planar 4 systems, Planar 4 models, architecture and component, exercise on parametrization of AI model, exercise on AI model H and L setpoint change, and Planar 4 Diagnostics, Cybersecurity standards and Security control. This training has enhanced my skills and knowledge, enabling me to contribute more effectively to engineering needs in the industry." - Peter Osmond Nombo

Name: **Mozes Gerald Kalaseza**  
 Institution: Arusha Technical College in Tanzania  
 Degree: Diploma in Electrical Engineering  
 Package: Zhongtian Technology Submarine Cable Co. Ltd, a supplier of high voltage cables (HV Cables)  
 Country: China  
 Testimonial: "I have gained experience in Overview of power system, Inspection and testing of MV and HV cables and accessories, Quality control of cables and accessories, Installation and maintenance of cables and accessories." - Mozes Gerald Kalaseza

Name: **Cate Nalumu**  
 Institution: Kyambogo University in Uganda  
 Degree: Electrical Engineering  
 Package: Zhongtian Technology Submarine Cable Co. Ltd, a supplier of high voltage cables (HV Cables)  
 Country: China  
 Testimonial: "I gained experience in cable joints, terminations (both out and in door), GIS termination and cable damage repairs encountered during installations. I look forward to working with organizations with experienced teams to enhance my knowledge, experience, and practical skills. The supplier that I trained with has a great experienced team that has shared technically all the required details and provided us with room for practical experience which in turn greatly enhanced my knowledge and confidence in my career. - Cate Nalumu





Name: **Catherine Nansikombi**

Institution: Kyambogo University in Uganda

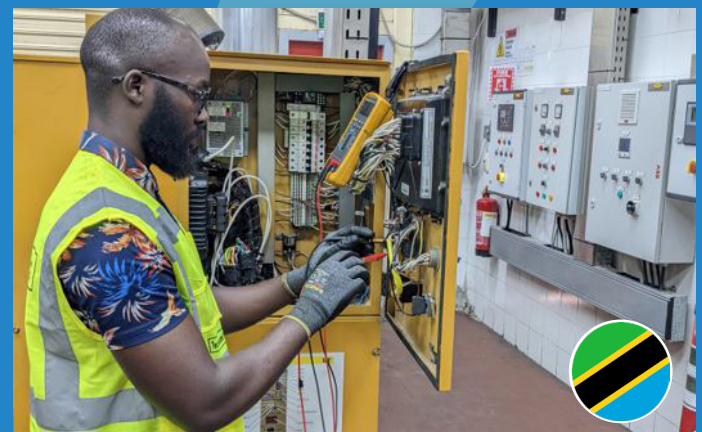
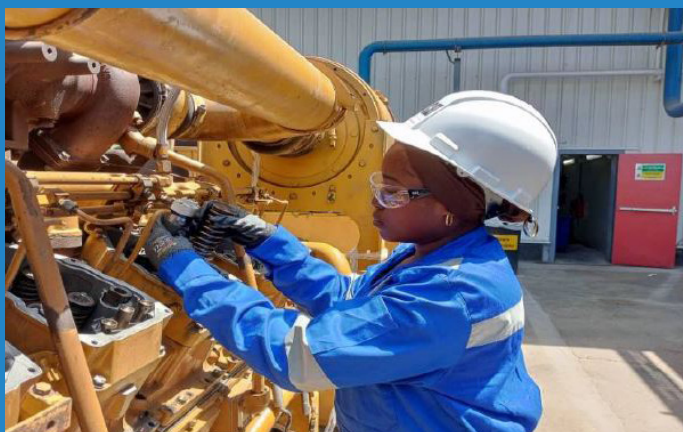
Degree: Electrical Engineering

Package: Panyu Chu Kong (PCK) Steel Pipes Company Limited, a supplier responsible for the line pipe scope to the EACOP project.

Country: China

Testimonial: "I have gained experience in:

- Knowledge about the production processes involved in the production of steel plates and coils and the different types of steel pipes produced by PCK industry.
- Machine operation and maintenance of the different machinery needed during production of steel pipes, for example the internal and external welding machines, Ultra sonic and Radiography Testing Machines.
- Analyzed data about the standards for example API, ISO standards and quality control measures employed by PCK company to ensure the production of quality standard products on the market.
- Participated in safety training and implemented safety protocols to maintain a hazard free work environment." – Catherine Nansikombi



Name: **Wahida Athumani Janguo**

Institution: University of Dar es Salaam in Tanzania

Degree: Electrical Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "I gained valuable insights and hands-on experience in overhauling of mechanical and electronic engines, as well as diesel generators operation, analysis and maintenance according to standards. As a power and renewable energy enthusiast, I aim to gain experience by collaborating with experienced professionals in power and energy related companies and continually expand my knowledge, ultimately contribute to the development of innovative and sustainable solutions. The training has provided me with a strong technical foundation and practical skills, empowering me to push the boundaries of innovation in the power and energy industry." - Wahida Athumani Janguo

Name: **Jordan Julius Saria**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Electrical Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "I had the opportunity to understand the operation of diesel generators, maintenance and repair of the diesel generator side and engine side, also to understand the process of troubleshooting and overhauling the engines." – Jordan Julius Saria

Name: **Tracy Martha Iriho**

Institution: Kyambogo University in Uganda

Degree: Civil And Building Engineering

Package: Worley, one of EACOP's main contractors

Country: Tanzania and Uganda

Testimonial: "This training opportunity has been instrumental in advancing my knowledge and skills in civil engineering, providing me with invaluable insights into the complexities of the oil and gas industry. The practical knowledge and skills I have acquired, such as quality assurance and control, health and safety management, risk management, environmental protection and conservation, and construction, have equipped me to tackle future engineering challenges effectively. This experience has also expanded my professional network, connecting me with industry experts and potential mentors who can guide my career development." - Tracy Martha Iriho



Name: **Constance Nakirijja**

Institution: Kyambogo University in Uganda

Degree: Mechanical and Manufacturing Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "During my internship, I gained knowledge on:

- Safety management in the workplace to preserve self, coworkers and the workplace.
- Material handling procedures using chains, hooks, shackles, eyebolts, and cranes.
- Engine oil classifications, types, common types of oil contamination and how to control the contamination.
- Basic diesel engine: The different systems in the engine, components, function of each component, different designs, and operations.
- This opportunity has given me a chance to understand the construction and operation of engines which are the hearts of automobiles." - Constance Nakirijja

Name: **Rashidi Bilali Juma**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Mechanical Engineering

Package: Tekfen Imalat, a supplier of heat exchangers

Country: Turkey

Testimonial: "I have gained experience on designing and manufacturing various pressure vessels like pipes, storage tanks, reactors, and heat exchangers. I also gained insight on machine operations, maintenance, and repair. I plan to build my career with organizations in this industry by performing my duties to an exemplary standard, quickly becoming a team member who contributes positively to the company or organization's objectives. Through my academic studies and training program, I have learnt the importance of self-discipline, continuous improvement, teamwork, and hard work from experienced and professional workers. I will use all these valuable skills to express my knowledge for more career development." – Rashidi Bilali Juma





Name: **Salome Staford Mwakilima**

Institution: University of Dar es Salaam in Tanzania

Degree: Industrial Engineering

Package: Sulzer Pumps, a supplier of Export Pumps

Country: South Africa

Testimonial: "I engaged in practical roles involving pump assembly, pressure testing, performance testing and pump maintenance. I learned about strict compliance to safety and environmental policies practiced in daily operations. This experience has equipped me with the knowledge and confidence to pursue innovative solutions and contribute to the continuous improvement of industrial processes." – Salome Staford Mwakilima

Name: **Magreth Paschal Kulaya**

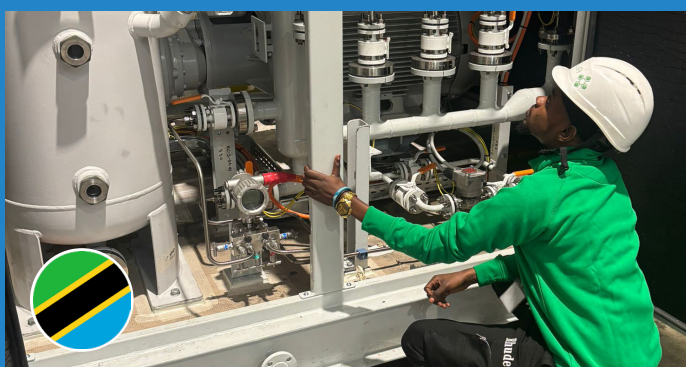
Institution: Arusha Technical College in Tanzania

Degree: Electrical and Hydropower Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "I have gained experience in measuring tools, safety, SOS, basic engine, electronic engines, SIS 2.0, CAT ET software, basic electricity, electrical power generation. I look forward to engaging with organizations/companies with experienced teams to enhance my knowledge, experience, and practical skills." - Magreth Paschal Kulaya



Name: **Swedi Mushi Hussein**

Institution: University of Dar es Salaam in Tanzania

Degree: Electronics Engineering

Package: Sinergia SpA, a supplier of Air Compressors

Country: Italy

Testimonial: "I enhanced my understanding by developing a deeper comprehension of how air compressors function and their significance in various industrial settings that go hand in hand with acquired practical skills through workshop training. This training has equipped me with advanced techniques and insights." – Swedi Mushi Hussein

Name: **Sweetbert Tresphory Kalugendo**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Electrical Engineering

Package: Unatrac/Mantrac, a supplier of emergency diesel power generations

Country: Egypt

Testimonial: "I have gained experience in safety practices when working with diesel generator and practical experience in operating, maintaining and troubleshooting diesel generators. During my training, I received knowledge and hands-on experience from experts in diesel generator operations, maintenance techniques and troubleshooting strategies. This equipped me with the expertise needed to work with diesel generators." - Sweetbert Tresphory Kalugendo



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Name: **Joyce Pelaji Maria**

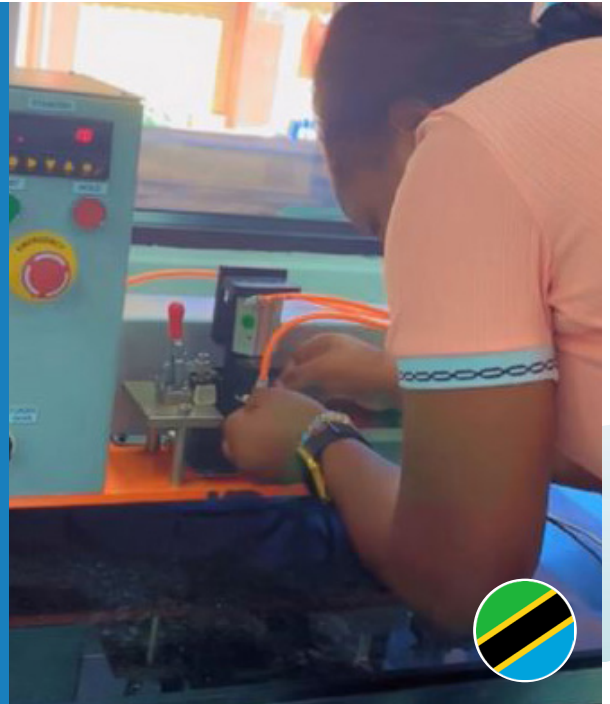
Institution: Arusha Technical College in Tanzania

Degree: Electrical And Automation Engineering

Package: Himachal Futuristic Communications Limited (HFCL), a supplier of fire optic cables and splicing boxes.

Country: India

Testimonial: "During my internship with HFCL, I gained invaluable hands-on experience in the manufacturing processes and quality control of fiber optic cables. I was actively involved in various stages of production, from raw material handling to final testing and quality assurance. One of the most significant highlights was participating in the optimization of the manufacturing process, which improved efficiency and product quality. This experience enhanced my technical skills and provided a comprehensive understanding of the fiber optic cable industry. The training at HFCL has provided a solid foundation in advanced manufacturing technologies and practical industry experience. This opportunity has significantly enhanced my technical competencies and problem-solving abilities. The knowledge and skills acquired during this period will be instrumental in achieving my long-term career goal." – Joyce Pelaji Maria



Name: **Hamis Seif Abdallah**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Mechanical Engineering

Package: Tekfen Imalat, a supplier of heat exchangers

Country: Turkey

Testimonial: "I have gained experience in heat exchangers design/manufacturing, pressure vessels manufacturing, welding process such as TIG and MIG, dye penetration testing, sandblasting technology, rolling and bending technology. I look forward to work with any company that will give me the opportunity to develop my skills that I have and that I will get in collaboration with my colleagues, to ensure that together we can achieve the goals set by the company. Through this training program, I have gained benefits and learned various things including working together, the production of heat exchangers from people with sufficient knowledge. I look forward to greater developments in my career, hence I will use this knowledge as a catalyst to achieve that." – Hamis Seif Abdallah



Name: **Rebecca Nabagesera**

Degree: Telecommunications Engineering

Package: Himachal Futuristic Communications Limited (HFCL), a supplier of fire optic cables and splicing boxes.

Country: India

Testimonial: "I gained hands-on learning and Industry exposure which fostered my practical skills development. I also learned about quality control assurance to ensure manufactured cables meet industry standards and customer requirements through testing. Collectively, this knowledge and more gave me an understanding of manufacturing techniques such as fiber coating, cabling, jacketing, and troubleshooting skills." – Rebecca Nabagesera



Name: **Peter James Kamuli**

Institution: Dar es Salaam Institute of Technology in Tanzania

Degree: Mechanical Engineering

Package: Sulzer Pumps, a supplier of Export Pumps

Country: South Africa

Testimonial: "I engaged in technical activities involving quality control, pump assembly, pressure testing, performance testing and maintenance. I also learned about safety and environmental policies compliance and their implementation in daily operations. This opportunity has provided me with invaluable hands-on experience, exposure to industry best practices, insights from professionals and importance of safety and environmental considerations in engineering, which are critical for achieving my career goals and significantly contributing to the industry." – Peter James Kamuli



A moment of triumph for the first batch of graduate trainees as they met together to present the lessons learned from their experience to the EACOP team, and share their unique knowledge with one another.